

**Irradiated XL-PVC Wire 105°C 300V**

**Product Description**

- Solid or stranded, tinned or bare copper, Conductor, 32-14AWG
- Lead Free PVC Insulation.
- Rated temperature:105°C; Rated voltage:300Volts.
- Resistant to heat, cold, abrasion, tinned flexibility, cut-through, oil etc.
- Passed UL VW-1 vertical flame test.

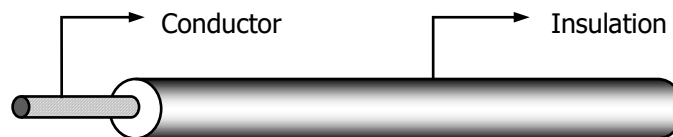
**Technical Specification**

- Insulation Potential Strength: 2000 VAC/min
- UL Rated temperature: 105°C.
- Rated Voltage: 300 Volts.
- Dimension Tolerance: ± 0.10 mm.

**Applications**

- For electric Cookers, Hair dryers, Incoming wires of transformer, Air-conditioners, oil, etc.

**Structure & electrical properties**



| UL 3443          | Conductor |          | Insulation     | Overall Diameter (mm) | Maximum Conductor Resistance (Ω/km) | Permitable Current (A) |
|------------------|-----------|----------|----------------|-----------------------|-------------------------------------|------------------------|
|                  | AWG       | No./mm   | Thickness (mm) |                       |                                     |                        |
| Stranded         | 30        | 7/0.100  | 0.254          | 0.80                  | 397.0                               | 3                      |
|                  | 28        | 7/0.127  |                | 0.90                  | 248.0                               | 4                      |
|                  | 26        | 7/0.160  |                | 1.00                  | 152.0                               | 5                      |
|                  | 24        | 11/0.160 |                | 1.15                  | 88.6                                | 7                      |
|                  | 22        | 17/0.160 |                | 1.30                  | 62.5                                | 10                     |
|                  | 20        | 21/0.180 |                | 1.50                  | 39.5                                | 13                     |
|                  | 18        | 34/0.180 |                | 1.70                  | 24.4                                | 18                     |
|                  | 16        | 26/0.254 |                | 2.05                  | 15.6                                | 24                     |
|                  | 14        | 41/0.254 |                | 2.30                  | 9.9                                 | 33                     |
| Top-Coated (ATC) | 30        | 7/0.100  |                | 0.80                  | 397.0                               | 3                      |
|                  | 28        | 7/0.127  |                | 0.90                  | 248.0                               | 4                      |
|                  | 26        | 7/0.160  |                | 1.00                  | 152.0                               | 5                      |
|                  | 24        | 7/0.200  |                | 1.15                  | 88.6                                | 7                      |
|                  | 22        | 7/0.254  |                | 1.30                  | 62.5                                | 10                     |
|                  | 20        | 7/0.320  |                | 1.50                  | 39.5                                | 13                     |
| Solid (TA)       | 26        | 1/0.404  |                | 0.90                  | 155.0                               | 5                      |
|                  | 24        | 1/0.511  |                | 1.05                  | 92.4                                | 7                      |
|                  | 22        | 1/0.643  |                | 1.15                  | 60.1                                | 10                     |
|                  | 20        | 1/0.813  |                | 1.35                  | 37.0                                | 13                     |
|                  | 18        | 1/1.020  | 1.55           | 23.6                  | 18                                  |                        |